



Soldiers' and Sailors' Monument, Des Moines, IA, December 2015

IOWA ACUTE DISEASE MONTHLY UPDATE

January 1, 2015 – December 31, 2015

The Center for Acute Disease Epidemiology

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The Center for Acute Disease Epidemiology (CADE) uses the most recent Council of State and Territorial Epidemiologists (CSTE) / Centers for Disease Control and Prevention (CDC) case definitions found at <http://wwwn.cdc.gov/nndss/script/casedefDefault.aspx>. These definitions are used to classify the case as confirmed, probable, suspect, not a case, or awaiting more information. **Only confirmed and probable cases meeting the CSTE/CDC case definitions are included in this report.**

Disease case counts were compiled from the Iowa Disease Surveillance System (IDSS). IDSS data is updated frequently, therefore case counts may differ slightly for the same time period if updates are made after this report is generated.

Rates were calculated using the 2010 census population for the State of Iowa

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	Anaplasmosis	Infant Botulism	Brucellosis	Campylobacter	Cryptosporidium	Cyclospora	Dengue Fever	E. Coli (STEC)	Ehrlichiosis	Ehrlichiosis/Anaplasmosis undetermined	HUS	Giardia	Hepatitis A	Hepatitis B Maternal	Hepatitis B acute	Hepatitis B chronic	Haemophilus influenzae B	Legionella	Listeria	Lyme	Malaria	Mumps	Neisseria meningitidis	Pertussis	Rocky Mountain Spotted Fever	Salmonella	Shigella	Typhoid Fever	West Nile Virus
ADAIR	•	•	•	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ADAMS	•	•	•	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ALLAMAKEE	•	•	•	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
APPANOOSE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
AUDUBON	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
BENTON	•	•	•	8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	13	•	•	•	•	8	9	•	•
BLACK HAWK	•	•	•	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	8	•	•	•	•	23	56	•	•
BOONE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
BREMER	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
BUCHANAN	•	•	•	6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	6	•	•	•
BUENA VISTA	•	•	•	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	11	•	•	•
BUTLER	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CALHOUN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CARROLL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	6	•	•	•
CASS	•	•	•	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CEDAR	•	•	•	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CERRO GORDO	•	•	•	17	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CHEROKEE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CHICKASAW	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CLARKE	•	•	•	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CLAY	•	•	•	6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CLAYTON	•	•	•	13	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	14	•	•	•	•	•	•	•	•
CLINTON	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	5	•	•	•	•	12	•	•	•
CRAWFORD	•	•	•	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

12 MONTH CASE COUNTS

January 1, 2015 – December 31, 2015

Counties A-C

Confirmed and Probable

	Anaplasmosis	Infant Botulism	Brucellosis	Campylobacter	Cryptosporidium	Cyclospora	Dengue Fever	E. coli (STEC)	Ehrlichiosis/Anaplasmosis undetermined	HUS	Giardia	Hepatitis A	Hepatitis B Maternal	Hepatitis B acute	Hepatitis B chronic	Haemophilus influenzae	Legionella	Listeria	Lyme	Malaria	Mumps	Neisseria meningitidis	Pertussis	Rocky Mountain Spotted Fever	Salmonella	Shigella	Typhoid Fever	West Nile Virus
	-	-	-	7	14	-	-	1	-	-	6	1	-	-	6	-	-	-	1	-	-	-	1	-	19	9	1	1
	-	-	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-	-	1	-	-	-	1	1	1	-	-	
	-	-	-	12	1	-	-	1	-	-	1	-	-	-	1	-	-	-	1	9	-	-	-	6	-	-	-	
	-	-	-	10	8	-	-	-	-	-	1	-	1	-	-	-	-	-	1	1	-	-	1	8	1	-	-	
	-	-	-	-	7	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	6	-	-	-	
	-	-	-	42	39	-	-	14	-	-	10	1	-	-	5	-	1	-	24	-	1	1	-	23	69	1	-	
	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
	-	-	-	12	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
	-	-	-	7	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	
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	-	-	-	7	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	
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	-	-	-	6	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	-	-	1	
	-	-	-	7	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1	1	1	-	-	
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	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	-	-	
	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1					

12 MONTH CASE COUNTS

January 1, 2015 – December 31, 2015

Counties D-I

Confirmed and Probable

	Anaplasmosis	Infant Botulism	Brucellosis	Campylobacter	Cryptosporidium	Cyclospora	Dengue Fever	E. coli (STEC)	Ehrlichioses/Anaplasmosis undetermined	HUS	Giardia	Hepatitis A	Hepatitis B Maternal	Hepatitis B acute	Hepatitis B chronic	Haemophilus influenzae	Legionella	Listeria	Lyme	Malaria	Mumps	Neisseria meningitidis	Pertussis	Rocky Mountain Spotted Fever	Salmonella	Shigella	Typhoid Fever	West Nile Virus
JACKSON	-	-	-	14	15	-	-	7	-	-	5	-	-	-	-	-	5	-	8	-	-	-	-	-	5	-	-	-
JASPER	-	-	-	12	9	-	-	5	-	-	5	5	-	-	5	-	-	-	-	-	-	-	-	-	6	-	-	-
JEFFERSON	5	-	-	5	7	-	-	-	-	-	-	-	-	-	5	-	-	-	5	-	-	-	9	-	5	-	-	-
JOHNSON	-	-	-	14	5	-	-	11	5	-	5	-	-	5	5	-	5	-	59	-	201	-	13	-	48	31	5	-
JONES	-	-	-	12	5	-	-	5	-	5	5	-	-	-	-	-	-	-	5	-	-	-	-	-	5	8	-	-
KEOKUK	-	-	-	5	7	-	-	5	-	5	5	-	-	-	-	-	-	-	5	-	-	-	-	-	5	5	-	-
KOSSUTH	-	-	-	6	5	-	-	5	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
LEE	-	-	-	5	-	-	-	5	5	5	-	-	-	-	-	-	5	-	5	-	5	-	-	5	6	-	-	5
LINN	-	-	-	47	20	-	-	7	-	-	5	5	9	5	19	-	5	-	37	5	17	-	7	-	40	283	5	-
LOUISA	-	-	-	5	-	-	-	-	-	-	-	-	-	-	5	-	-	-	5	-	-	-	5	-	5	-	-	5
LUCAS	-	-	-	5	-	-	-	5	-	-	-	-	5	-	-	-	-	-	-	-	-	-	5	-	5	-	-	-
LYON	-	-	-	10	5	-	-	5	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	8	5	-	5
MADISON	-	-	-	6	5	-	-	5	-	-	5	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
MAHASKA	-	-	-	5	5	-	-	5	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	7	-	-	5
MARION	-	-	-	11	5	-	-	-	5	-	-	-	-	-	5	5	-	-	5	5	-	-	-	-	7	-	-	-
MARSHALL	-	-	-	7	-	-	-	5	-	-	5	-	5	-	6	-	5	-	5	-	5	-	6	-	12	-	-	-
MILLS	-	-	-	5	5	-	-	-	5	-	5	-	-	-	5	-	-	-	-	-	-	-	-	5	5	5	-	-
MITCHELL	-	-	-	5	5	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-
MONONA	-	-	-	5	10	-	-	-	-	-	5	-	-	5	-	-	-	-	-	-	-	-	5	-	5	-	-	-
MONROE	-	-	-	7	5	-	-	5	-	-	5	-	-	-	-	-	-	-	5	-	-	-	-	-	5	-	-	-
MONTGOMERY	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	5	-	-	5	-	-	-
MUSCATINE	-	-	-	5	5	-	-	5	-	-	7	-	-	-	5	-	-	-	11	-	9	-	-	-	10	5	-	-
OBRIEN	-	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-
OSCEOLA	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

12 MONTH CASE COUNTS

January 1, 2015 – December 31, 2015

Counties J-O

Confirmed and Probable

	Anaplasmosis	Infant Botulism	Brucellosis	Campylobacter	Cryptosporidium	Cyclospora	Dengue Fever	E. Coli (STEC)	Ehrlichioses	Ehrlichioses/Anaplasmosis undetermined	HUS	Giardia	Hepatitis A	Hepatitis B Maternal	Hepatitis B acute	Hepatitis B chronic	Haemophilus influenzae B	Legionella	Listeria	Lyme	Malaria	Mumps	Neisseria meningitidis	Pertussis	Rocky Mountain Spotted Fever	Salmonella	Shigella	Typhoid Fever	West Nile Virus
PAGE	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	-	-	<5	<5	<5	-	-
PALO ALTO	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLYMOUTH	-	-	-	9	8	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	<5	-	9	11	-	<5
POCAHONTAS	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	-	<5
POLK	-	<5	<5	88	18	<5	-	11	-	-	-	20	<5	18	6	72	-	<5	<5	16	7	<5	-	10	<5	59	76	-	<5
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RINGGOLD	-	-	-	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	-	<5
SAC	-	-	-	8	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	-	-	7	-	-	-
SCOTT	-	-	-	23	5	<5	-	<5	-	-	-	5	<5	<5	<5	13	-	5	-	14	-	<5	-	42	<5	14	52	-	-
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STORY	-	-	-	23	9	-	-	<5	-	-	-	<5	-	-	<5	17	-	-	-	<5	<5	<5	-	<5	-	15	<5	-	-
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TAYLOR	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	-	-	-	-
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WAPELLO	-	-	-	11	16	-	-	<5	-	-	-	<5	-	<5	-	<5	-	<5	-	-	<5	-	<5	-	<5	7	<5	-	-
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WASHINGTON	-	-	-	<5	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	<5	-	<5	-	-	-	5	<5	-	-
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WEBSTER	-	-	-	10	<5	-	-	<5	-	-	-	<5	-	-	-	-	-	-	-	<5	-	-	-	-	-	<5	<5	-	-
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WINNESHIEK	<5	-	-	8	<5	-	-	5	-	-	-	<5	-	-	-	-	-	-	-	<5	-	-	-	<5	-	<5	-	-	-
WOODBURY	-	-	-	23	16	-	-	5	-	-	-	5	-	5	-	7	-	<5	-	-	-	<5	-	<5	-	32	11	-	-
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12 MONTH CASE COUNTS

January 1, 2015 – December 31, 2015

Counties P-W

Confirmed and Probable

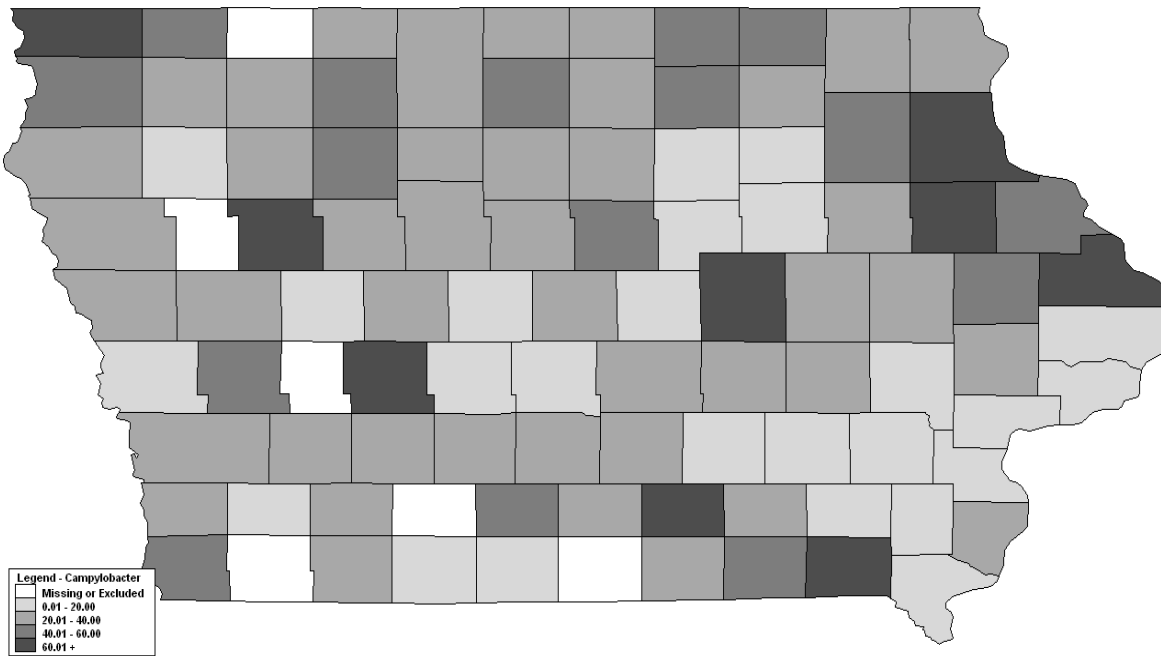
	Campylobacter	Cryptosporidium	E. Coli (STEC)	Giardia	Hepatitis B Maternal	Hepatitis B chronic	Legionella	Lyme	Mumps	Pertussis	Salmonella	Shigella		Campylobacter	Cryptosporidium	E. Coli (STEC)	Giardia	Hepatitis B Maternal	Hepatitis B chronic	Legionella	Lyme	Mumps	Pertussis	Salmonella	Shigella		Campylobacter	Cryptosporidium	E. Coli (STEC)	Giardia	Hepatitis B Maternal	Hepatitis B chronic	Legionella	Lyme	Mumps	Pertussis	Salmonella	Shigella					
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ALLAMAKEE	-	-	-	-	-	-	-	-	-	-	-	-	GRUNDY	<5	-	<5	-	-	-	-	-	-	-	-	-	MUSCATINE	-	-	-	-	-	-	-	-	5	-	-	-	<5				
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BLACK HAWK	<5	-	-	-	<5	-	-	<5	6	-	<5	5	HARDIN	<5	-	-	-	-	-	-	-	-	-	-	-	PLYMOUTH	-	-	-	-	-	-	-	-	<5	-	<5	<5	-	-			
BOONE	-	-	-	-	-	-	-	-	-	-	-	<5	HARRISON	-	-	-	-	-	-	-	-	-	-	-	<5	POCAHONTAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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BUCHANAN	-	<5	-	-	-	-	-	-	-	-	-	<5	HOWARD	-	-	-	-	-	-	-	-	-	-	-	-	POTTAWATTAMIE	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-		
BUENA VISTA	<5	-	-	-	-	-	-	-	-	-	-	<5	HUMBOLDT	-	-	<5	-	-	-	-	-	-	-	-	-	POWESHIEK	<5	-	-	-	-	-	-	-	-	-	-	-	-	-			
CALHOUN	-	-	-	-	-	-	-	-	-	-	-	-	IDA	-	<5	-	-	-	-	-	-	-	-	-	-	RINGGOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
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CASS	<5	-	-	-	-	-	-	-	-	-	-	-	JACKSON	-	<5	-	-	-	-	-	-	-	-	-	-	SCOTT	<5	-	-	<5	-	-	<5	-	<5	<5	10	-	-	-	-		
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CERRO GORDO	<5	-	-	-	-	-	-	-	-	-	-	-	JEFFERSON	-	-	-	-	-	-	-	-	-	-	-	<5	SIoux	-	<5	-	-	-	-	-	-	-	<5	-	<5	-	-	-		
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CLAYTON	<5	-	-	-	-	-	-	-	-	-	-	-	KEOKUK	-	-	-	-	-	-	-	-	-	-	-	<5	UNION	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CLINTON	-	-	-	-	-	-	-	-	<5	-	-	-	KOSSUTH	<5	-	-	-	-	-	-	-	-	-	<5	-	VAN BUREN	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CRAWFORD	-	-	-	-	-	-	-	-	-	-	<5	-	LEE	<5	-	-	-	-	-	-	-	-	-	-	-	WAPELLO	<5	-	<5	-	-	-	-	-	-	-	-	-	<5	-	-		
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DAVIS	-	-	-	-	-	-	-	-	-	-	-	-	LOUISA	<5	-	-	-	-	-	-	-	-	-	-	-	WASHINGTON	-	-	-	-	-	-	-	-	<5	-	<5	-	-	-	-		
DECATUR	<5	-	-	-	-	-	-	-	-	-	-	-	LUCAS	-	-	-	-	-	-	-	-	-	-	-	-	WAYNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DELAWARE	<5	-	-	<5	-	-	-	-	-	-	<5	-	LYON	-	-	-	-	-	-	-	-	-	-	-	<5	WEBSTER	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DES MOINES	<5	-	-	-	-	-	-	-	-	-	-	-	MADISON	-	-	-	<5	-	-	-	-	-	-	-	-	WINNEBAGO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DICKINSON	-	-	-	-	-	-	-	-	-	-	<5	-	MAHASKA	-	-	-	-	-	-	-	-	-	-	-	-	WINNESHIEK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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EMMET	-	-	-	-	-	-	-	-	-	-	-	-	MARSHALL	-	-	-	-	-	-	-	-	-	-	-	-	WORTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
FAYETTE	<5	-	-	-	-	-	-	-	-	-	-	-	MILLS	<5	-	-	-	-	-	-	-	-	-	-	-	WRIGHT	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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FRANKLIN	-	-	-	-	-	-	-	-	-	-	-	-	MONONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

December 1 - 31, 2015

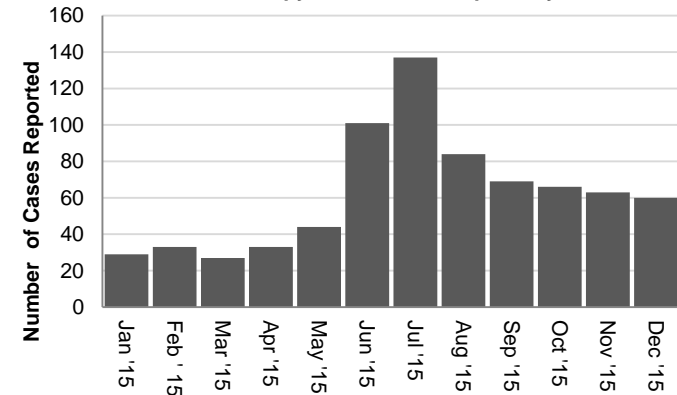
Confirmed and Probable Cases

Note: Counties with no reports of acute diseases in July may not be included in this table.

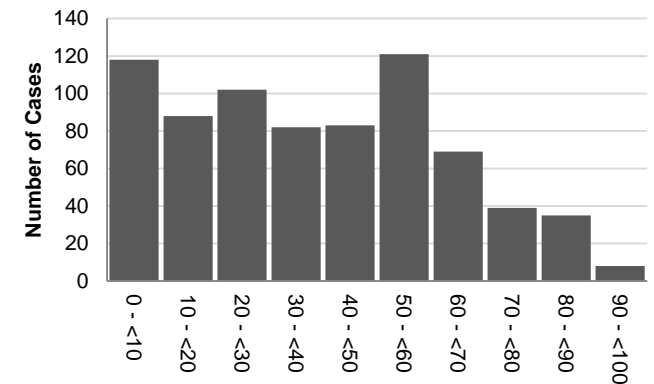
Campylobacteriosis Rate: 12 Month Cases per 100,000 population



12 Month Campylobacteriosis Reports by Month



12 Month Campylobacteriosis Cases by Age



Dec 1 to Dec 31, 2010-2015

60 cases in 2015

34 avg. cases in previous 5 Decmebers

76% change from previous 5 Decembers

Confirmed and probable cases per time period (Dec 1-31, 2010-2015)

Year	2010	2011	2012	2013	2014	2015
Cases	37	45	23	32	32	60

Jan 1 to Dec 31, 2010 - 2015

746 cases

641 avg. cases in previous 6- months

16% change from avg. of previous 60 mos.

Confirmed and probable cases per time period (Jan 1, 2010 - Dec 31, 2015)

Year	2010	2011	2012	2013	2014	2015
Cases	742	740	541	610	573	746

January 1, 2015 to December 31, 2015

54% Male

46% Female

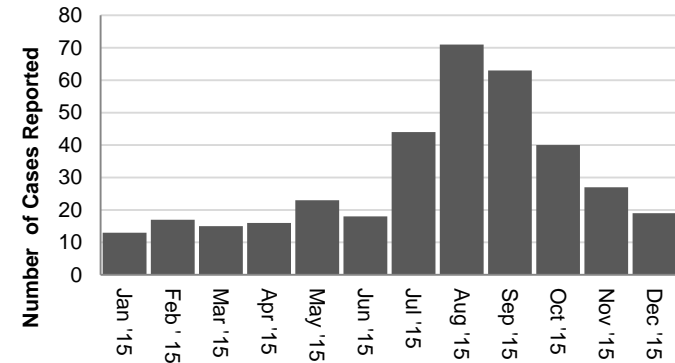
CAMPYLOBACTERIOSIS SUMMARY

January 1, 2015 – December 31, 2015
Confirmed and Probable Cases

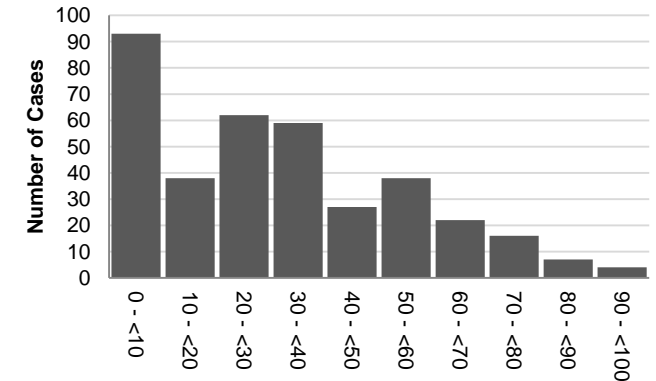
Cryptosporidiosis Rate: 12 Month Cases per 100,000 population



12 Month Cryptosporidiosis Reports by Month



12 Month Cryptosporidiosis Cases by Age



Dec 1 to Dec 31, 2010 - 2015

19 cases in 2015

16 avg. cases in previous 5 Decembers

19% change from previous 5 Decembers

Confirmed and probable cases per time period (Dec 1 - 31, 2010 - 2015)

Year	2010	2011	2012	2013	2014	2015
Cases	17	12	16	25	9	19

Jan 1 to Dec 31, 2010 - 2015

366 cases

339 avg. cases in previous 60 months*

8% change from avg. of previous 60 mos.

Confirmed and probable cases per time period (Jan 1, 2010 - Dec 31, 2015)

Year	2010	2011	2012	2013	2014	2015
Cases	386	371	332	1509*	266	366

*Outbreak years excluded.

January 1, 2015 to December 31, 2015

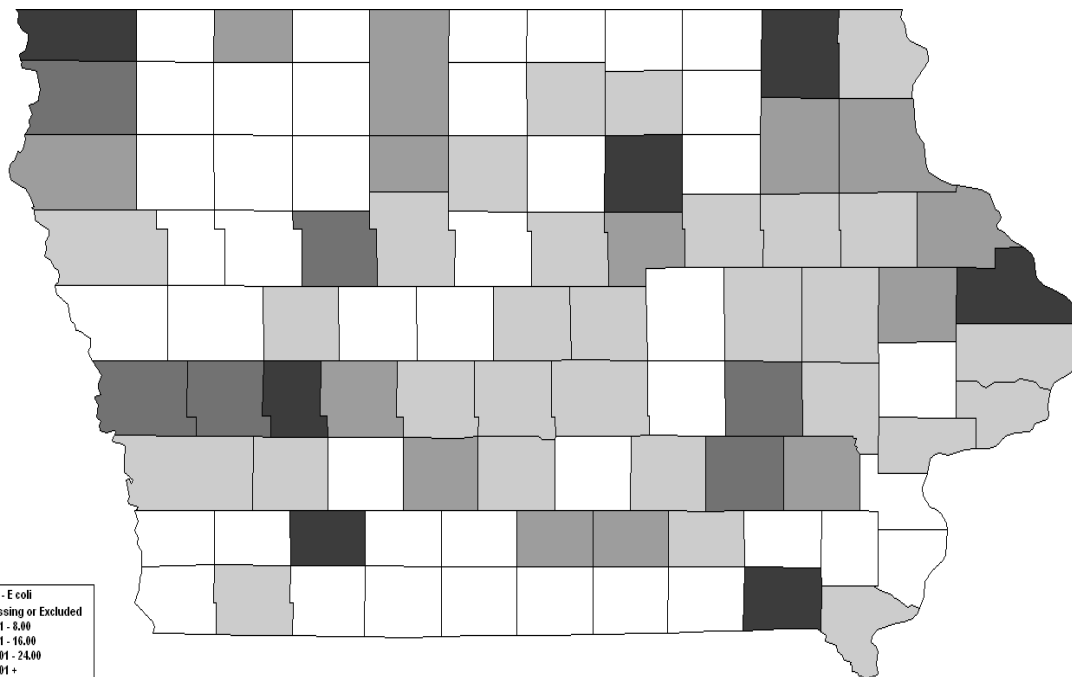
46% Male

54% Female

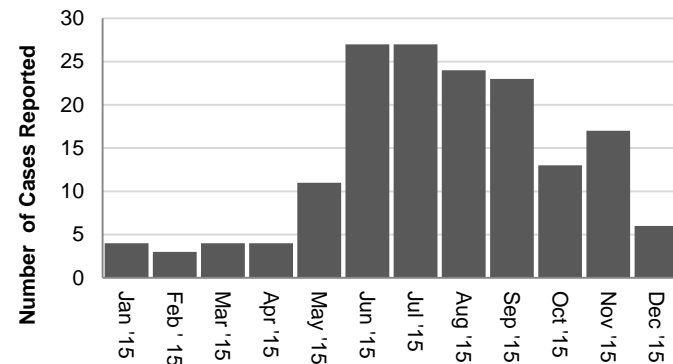
CRYPTOSPORIDIOSIS SUMMARY

January 1, 2015 – December 31, 2015
Confirmed and Probable Cases

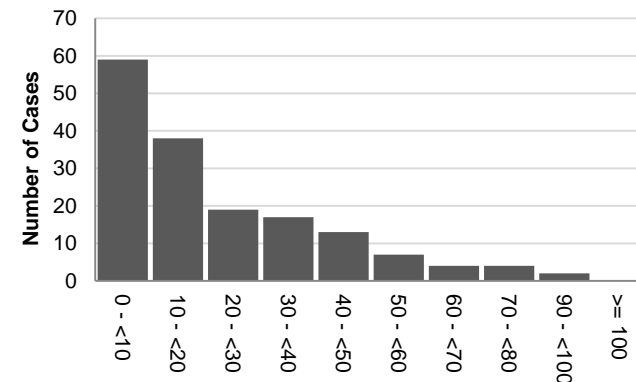
E. Coli Rate: 12 Month Cases per 100,000 population



12 Month Number of E. coli Reports by Month



12 Month E. coli Cases by Age

**Dec 1 to Dec 31, 2010-2015****6** cases in 2015**4** avg. cases in previous 5 Decembers**50%** change from previous 5 Decembers

Confirmed and probable cases per time period (Dec 1 - 31, 2010 - 2015)

Year	2010	2011	2012	2013	2014	2015
Cases	5	4	4	4	2	6

Jan 1 to Dec 31, 2010 - 2015**163** cases**188** avg. cases in previous 60 months**-13%** change from avg. of previous 60 mos

Confirmed and probable cases per time period (Jan 1, 2010 - Dec 31, 2015)

Year	2010	2011	2012	2013	2014	2015
Cases	172	185	185	172	224	163

January 1, 2015 to December 31, 2015**47%** Male**53%** Female**E. COLI SUMMARY**

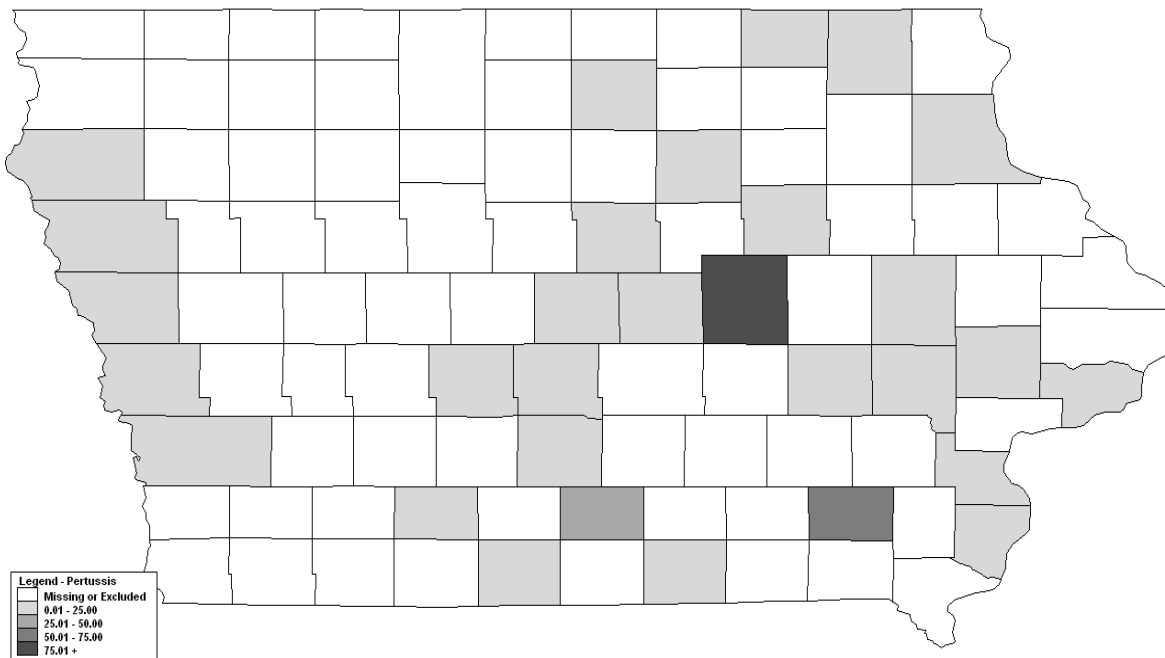
January 1, 2015 - December 31, 2015
Confirmed and Probable Cases

Mumps cases continue to occur in Iowa.
For the most up-to-date information on
this outbreak, please visit
idph.iowa.gov/ehi/mumps/status-updates.

MUMPS SUMMARY

January 1, 2015 – December 31, 2015
Confirmed and Probable Cases

Pertussis: 12 Month Cases per 100,000 population



Dec 1 to Dec 31, 2010 - 2015

24 cases in 2015

28 avg. cases in previous 5 Decembers*

-14% change from previous 5 Decembers

Confirmed and probable cases per time period (Dec 1 - 31, 2010 - 2015)

Year	2010	2011	2012	2013	2014	2015
Cases	87*	20	76*	26	37	24

*Outbreaks excluded

Jan 1 to Dec 31, 2010 - 2015

165 cases

274 avg. cases in previous 60 months*

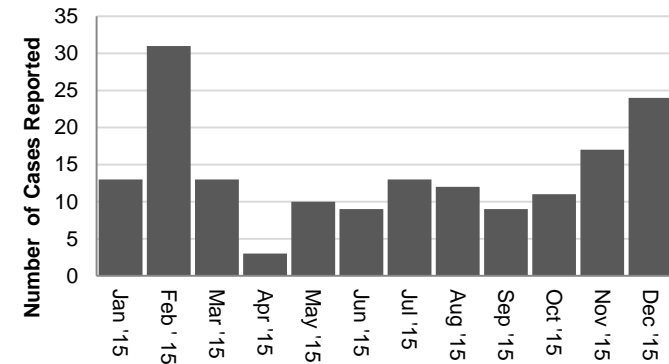
-40% change from avg. of previous 60 mos.

Confirmed and probable cases per time period (Jan 1, 2010 - Dec 31, 2015)

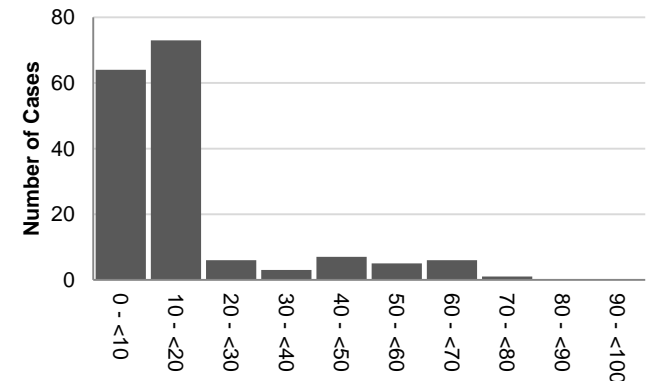
Year	'09-'10	'10-'11	'11-'12	'12-'13	'13-'14	'14-'15
Cases	667*	257	1706*	348	217	165

*Outbreaks excluded

12 Month Pertussis Cases Reports by Month



12 Month Pertussis Cases by Age



January 1, 2015 to December 31, 2015

48% Male

52% Female

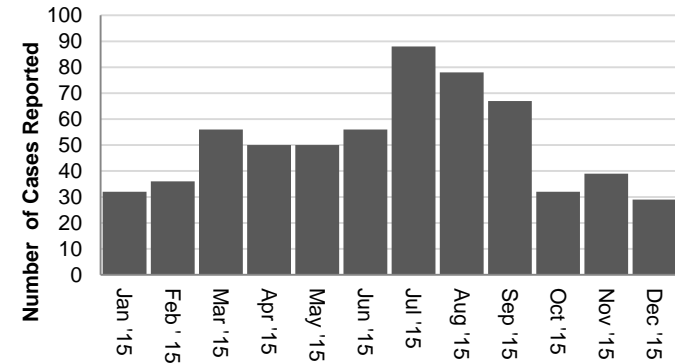
PERTUSSIS SUMMARY

January 1, 2015 - December 31, 2015
Confirmed and Probable Cases

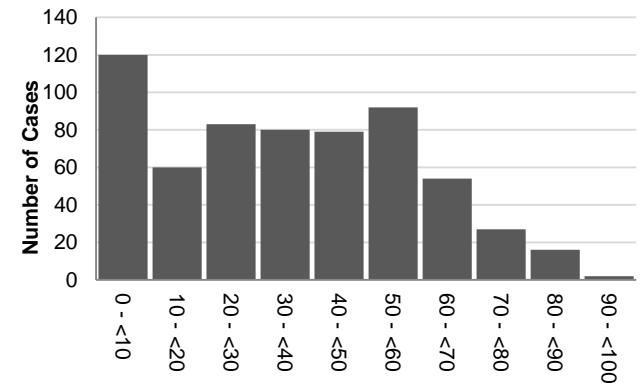
Salmonellosis: 12 Month Cases per 100,000 population



12 Month Salmonellosis Cases Reports by Month



12 Month Salmonellosis Cases by Age



Dec 1 to Dec 31, 2010 - 2015

29 cases in 2015

31 avg. cases in previous 5 Decembers

-6% change from previous 5 Decembers

Confirmed and probable cases per time period (Dec 1 - 31, 2010 - 2015)

Year	2010	2011	2012	2013	2014	2015
Cases	26	29	29	26	43	29

Jan 1 to Dec 31, 2010 - 2015

613 cases

538 avg. cases in previous 60 months

14% change from avg. of previous 60 months

Confirmed and probable cases per time period (Jan 1, 2010 - Dec 31, 2015)

Year	2010	2011	2012	2013	2014	2015
Cases	523	452	614	586	517	613

January 1, 2015 to December 31, 2015

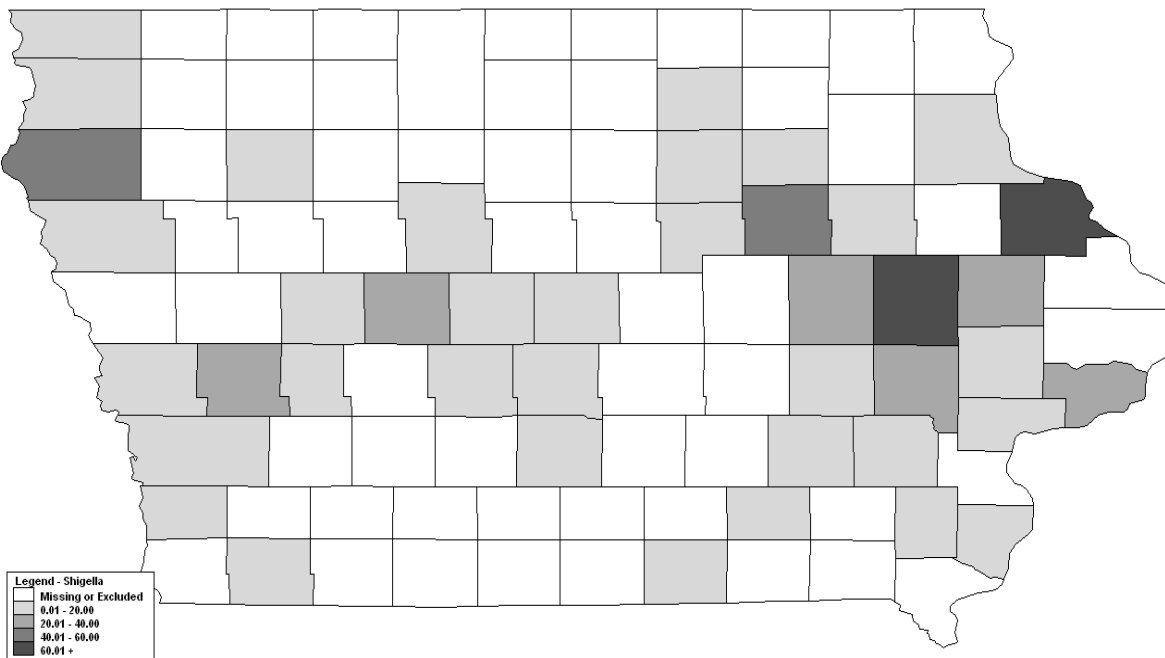
48% Male

52% Female

SALMONELLOSIS SUMMARY

January 1, 2015 - December 31, 2015
Confirmed and Probable Cases

Shigellosis: 12 Month Cases per 100,000 population



Dec 1 to Dec 31, 2010 - 2015

81 cases in 2015

7 avg. cases in previous 5 Decembers*

1057% change from previous 5 Decembers

Confirmed and probable cases per time period (Dec 1 - 31, 2010 - 2015)

Year	2010	2011	2012	2013	2014	2015
Cases	9	0	10	132*	7	81

*Outbreaks excluded

Jan 1 to Dec 31, 2010 -2015

666 cases

55 avg. cases in previous 60 months*

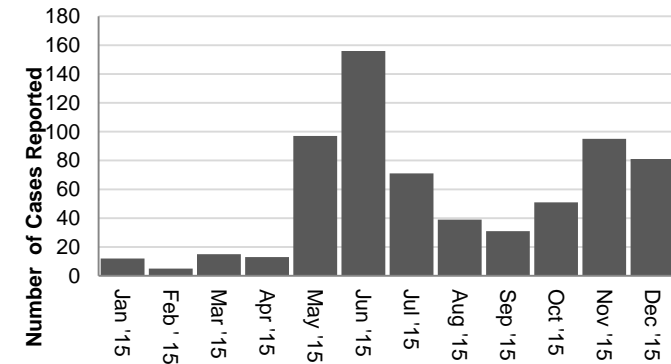
1111% change from avg. of previous 60 mos.

Confirmed and probable cases per time period (Jan 1, 2010 - Dec 31, 2015)

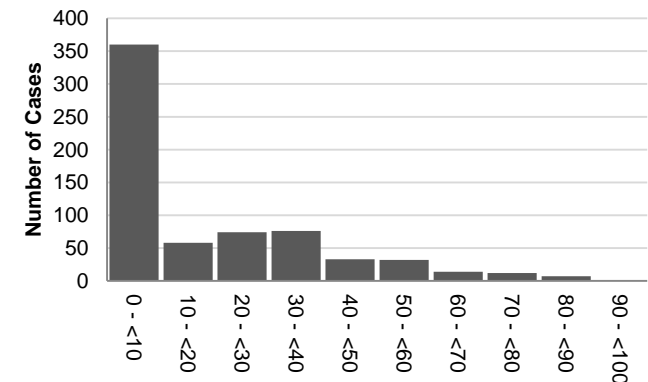
Year	2010	2011	2012	2013	2014	2015
Cases	56	19	89	328*	221*	666*

*Outbreaks excluded

12 Month Shigellosis Cases Reports by Month



12 Month Shigellosis Cases by Age



January 1, 2015 to December 31, 2015

44% Male

56% Female

SHIGELLOSIS SUMMARY

January 1, 2015 – December 31, 2015
Confirmed and Probable Cases

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Iowa Department of Public Health

Promoting and Protecting the Health of Iowans